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<110> Bennett, C. Frank
Mirabelli, Christopher K.

<120> OLIGONUCLEOTIDE MODULATION OF CELL ADHESION

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<141> 2001-10-18

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<150> US 07/969,151
<151> 1993-02-10

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<151> 1993-05-17

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<151> 1995-05-12

<150> US 09/128,496
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Arg	Val	Leu	Glu	Val	Asp	Thr	Gln	Gly	Thr	Val	Val	Cys	Ser	Leu	Asp	
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Gly	Leu	Phe	Pro	Val	Ser	Glu	Ala	Gln	Val	His	Leu	Ala	Leu	Gly	Asp	
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Thr Cys Ala Val Ile Leu Gly Asn Gln Ser Gln Glu Thr Leu Gln Thr
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Val Thr Ile Tyr Ser Phe Pro Ala Pro Asn Val Ile Leu Thr Lys Pro
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Glu Val Ser Glu Gly Thr Glu Val Thr Val Lys Cys Glu Ala His Pro
 325 330 335

Arg Ala Lys Val Thr Leu Asn Gly Val Pro Ala Gln Pro Leu Gly Pro
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Phe Ser Cys Ser Ala Thr Leu Glu Val Ala Gly Gln Leu Ile His Lys
 370 375 380

Asn Gln Thr Arg Glu Leu Arg Val Leu Tyr Gly Pro Arg Leu Asp Glu
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Arg Asp Cys Pro Gly Asn Trp Thr Trp Pro Glu Asn Ser Gln Gln Thr
 405 410 415

Pro Met Cys Gln Ala Trp Gly Asn Pro Leu Pro Glu Leu Lys Cys Leu
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Lys Asp Gly Thr Phe Pro Leu Pro Ile Gly Glu Ser Val Thr Val Thr
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Arg Asp Leu Glu Gly Thr Tyr Leu Cys Arg Ala Arg Ser Thr Gln Gly
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Glu Val Thr Arg Glu Val Thr Val Asn Val Leu Ser Pro Arg Tyr Glu
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Ile Val Ile Ile Thr Val Val Ala Ala Ala Val Ile Met Gly Thr Ala
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Gly Leu Ser Thr Tyr Leu Tyr Asn Arg Gln Arg Lys Ile Lys Lys Tyr
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Tyr Asp Glu Ala Ser Ala Tyr Cys Gln Gln Arg Tyr Thr His Leu Val
35 40 45

Ala Ile Gln Asn Lys Glu Glu Ile Glu Tyr Leu Asn Ser Ile Leu Ser
50 55 60

Tyr Ser Pro Ser Tyr Tyr Trp Ile Gly Ile Arg Lys Val Asn Asn Val
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Trp	Val	Trp	Val	Gly	Thr	Gln	Lys	Pro	Leu	Thr	Glu	Glu	Ala	Lys	Asn	
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Trp	Ala	Pro	Gly	Glu	Pro	Asn	Asn	Arg	Gln	Lys	Asp	Glu	Asp	Cys	Val	
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Glu	Ile	Tyr	Ile	Lys	Arg	Glu	Lys	Asp	Val	Gly	Met	Trp	Asn	Asp	Glu	
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Arg	Cys	Ser	Lys	Lys	Lys	Leu	Ala	Leu	Cys	Tyr	Thr	Ala	Ala	Cys	Thr	
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				245					250					255		
Gln	Asn	Pro	Gly	Ser	Phe	Pro	Trp	Asn	Thr	Thr	Cys	Thr	Phe	Asp	Cys	
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Glu Trp Asp Asn Glu Lys Pro Thr Cys Glu Ala Val Arg Cys Asp Ala
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Val His Gln Pro Pro Lys Gly Leu Val Arg Cys Ala His Ser Pro Ile
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Trp Thr Glu Glu Val Pro Ser Cys Gln Val Val Lys Cys Ser Ser Leu
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<212> PRT
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<400> 92

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			20					25					30		

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 Thr Thr Gly Cys Glu Ser Pro Phe Phe Ser Trp Arg Thr Gln Ile Asp
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 Ser Pro Leu Asn Gly Lys Val Thr Asn Glu Gly Thr Thr Ser Thr Leu
 65 70 75 80
 Thr Met Asn Pro Val Ser Phe Gly Asn Glu His Ser Tyr Leu Cys Thr
 85 90 95
 Ala Thr Cys Glu Ser Arg Lys Leu Glu Lys Gly Ile Gln Val Glu Ile
 100 105 110
 Tyr Ser Phe Pro Lys Asp Pro Glu Ile His Leu Ser Gly Pro Leu Glu
 115 120 125
 Ala Gly Lys Pro Ile Thr Val Lys Cys Ser Val Ala Asp Val Tyr Pro
 130 135 140
 Phe Asp Arg Leu Glu Ile Asp Leu Leu Lys Gly Asp His Leu Met Lys
 145 150 155 160
 Ser Gln Glu Phe Leu Glu Asp Ala Asp Arg Lys Ser Leu Glu Thr Lys
 165 170 175
 Ser Leu Glu Val Thr Phe Thr Pro Val Ile Glu Asp Ile Gly Lys Val
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 Leu Val Cys Arg Ala Lys Leu His Ile Asp Glu Met Asp Ser Val Pro
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 Thr Val Arg Gln Ala Val Lys Glu Leu Gln Val Tyr Ile Ser Pro Lys
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 Asn Thr Val Ile Ser Val Asn Pro Ser Thr Lys Leu Gln Glu Gly Gly
 225 230 235 240
 Ser Val Thr Met Thr Cys Ser Ser Glu Gly Leu Pro Ala Pro Glu Ile
 245 250 255
 Phe Trp Ser Lys Lys Leu Asp Asn Gly Asn Leu Gln His Leu Ser Gly
 260 265 270

Asn Ala Thr Leu Thr Leu Ile Ala Met Arg Met Glu Asp Ser Gly Ile
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Tyr Val Cys Glu Gly Val Asn Leu Ile Gly Lys Asn Arg Lys Glu Val
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Ser Val Tyr Pro Leu Asp Arg Leu Glu Ile Glu Leu Leu Lys Gly Glu
 340 345 350

Thr Ile Leu Glu Asn Ile Glu Phe Leu Glu Asp Thr Asp Met Lys Ser
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Leu Glu Asn Lys Ser Leu Glu Met Thr Phe Ile Pro Thr Ile Glu Asp
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Thr Gly Lys Ala Leu Val Cys Gln Ala Lys Leu His Ile Asp Asp Met
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Glu Phe Glu Pro Lys Gln Arg Gln Ser Thr Gln Thr Leu Tyr Val Asn
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Val Ala Pro Arg Asp Thr Thr Val Leu Val Ser Pro Ser Ser Ile Leu
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Ala Pro Lys Ile Leu Trp Ser Arg Gln Leu Pro Asn Gly Glu Leu Gln
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Pro Leu Ser Glu Asn Ala Thr Leu Thr Leu Ile Ser Thr Lys Met Glu
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Asp Ser Gly Val Tyr Leu Cys Glu Gly Ile Asn Gln Ala Gly Arg Ser
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Arg Lys Glu Val Glu Leu Ile Ile Gln Val Thr Pro Lys Asp Ile Lys
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Leu Thr Ala Phe Pro Ser Glu Ser Val Lys Glu Gly Asp Thr Val Ile
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Ile Ser Cys Thr Cys Gly Asn Val Pro Glu Thr Trp Ile Ile Leu Lys
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Lys Lys Ala Glu Thr Gly Asp Thr Val Leu Lys Ser Ile Asp Gly Ala
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Glu Ser Lys Asn Lys Val Gly Ser Gln Leu Arg Ser Leu Thr Leu Asp
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Val Leu Tyr Phe Ala Ser Ser Leu Ile Ile Pro Ala Ile Gly Met Ile
 610 615 620

Ile Tyr Phe Ala Arg Lys Ala Asn Met Lys Gly Ser Tyr Ser Leu Val
 625 630 635 640

Glu Ala Gln Lys Ser Lys Val
 645